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l2 and (e adj commerc\$3 or electronic\$6 adj commerce or internet or www) same (community or area or zone or neighborhood)	7

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L3 L2 and virtual same health same (e adj commerce or internet or www) same community
L2 L1 and patient near8 visualiz\$7
L1 patient same (doctor or physician or dentist or health) same (data or information)

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6318994.pn.	2

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<u>L5</u>	6318994.pn.	2	<u>L5</u>
<u>L4</u>	l2 and (e adj commerc\$3 or electronic\$6 adj commerce or internet or www) same (community or area or zone or neighborhood)	7	<u>L4</u>
<u>L3</u>	L2 and virtual same health same (e adj commerce or internet or www) same community	0	<u>L3</u>
<u>L2</u>	L1 and patient near8 visualiz\$7	131	<u>L2</u>
<u>L1</u>	patient same (doctor or physician or dentist or health) same (data or information)	8132	<u>L1</u>

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L4: Entry 1 of 7

File: PGPB

Jun 20, 2002

PGPUB-DOCUMENT-NUMBER: 20020077562

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20020077562 A1

TITLE: System and method for correlation of patient health information and implant device data

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	RMC	Draw Desc	Image
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☐ 2. Document ID: US 20020059202 A1

L4: Entry 2 of 7

File: PGPB

May 16, 2002

PGPUB-DOCUMENT-NUMBER: 20020059202

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20020059202 A1

TITLE: Incremental clustering classifier and predictor

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	RMC	Draw Desc	Image
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☐ 3. Document ID: US 20020059049 A1

L4: Entry 3 of 7

File: PGPB

May 16, 2002

PGPUB-DOCUMENT-NUMBER: 20020059049

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20020059049 A1

TITLE: System and method for rapidly customizing design, manufacture and/or selection of biomedical devices

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	RMC	Draw Desc	Image
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☒ 4. Document ID: US 20020042038 A1

L4: Entry 4 of 7

File: PGPB

Apr 11, 2002

PGPUB-DOCUMENT-NUMBER: 20020042038

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20020042038 A1

TITLE: Systems and methods for dental treatment planning

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
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KWMC	Draw Desc	Image
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☐ 5. Document ID: US 20020035458 A1

L4: Entry 5 of 7

File: PGPB

Mar 21, 2002

PGPUB-DOCUMENT-NUMBER: 20020035458

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20020035458 A1

TITLE: Method and system for virtual surgery

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
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KWMC	Draw Desc	Image
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☐ 6. Document ID: US 20010012913 A1

L4: Entry 6 of 7

File: PGPB

Aug 9, 2001

PGPUB-DOCUMENT-NUMBER: 20010012913

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20010012913 A1

TITLE: Disease management system and method including correlation assessment

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
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KWMC	Draw Desc	Image
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☐ 7. Document ID: US 6234964 B1

L4: Entry 7 of 7

File: USPT

US-PAT-NO: 6234964

DOCUMENT-IDENTIFIER: US 6234964 B1

TITLE: Disease management system and method

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
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KWMC	Draw Desc	Image
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L4: Entry 4 of 7

File: PGPB

Apr 11, 2002

DOCUMENT-IDENTIFIER: US 20020042038 A1

TITLE: Systems and methods for dental treatment planning

Detail Description Paragraph (118):

[0144] File storage subsystem 514 provides persistent (nonvolatile) storage for program and data files, and typically includes at least one hard disk drive and at least one floppy disk drive (with associated removable media). There may also be other devices such as a CD-ROM drive and optical drives (all with their associated removable media). Additionally, the system may include drives of the type with removable media cartridges. The removable media cartridges may, for example be hard disk cartridges, such as those marketed by Syquest and others, and flexible disk cartridges, such as those marketed by Iomega. One or more of the drives may be located at a remote location, such as in a server on a local area network or at a site on the Internet's World Wide Web.

CLAIMS:

37. A virtual health-care electronic commerce community, comprising: a network to communicate information relating to the community; one or more patients coupled to the network; one or more treating professionals coupled to the network; and a server coupled to the network, the server storing data for each patient and performing patient data visualization in response to a user request.

38. The community of claim 37, wherein the treating professional views one or more of the following patient data visualization over the network: a right buccal view; a left buccal view; a posterior view; an anterior view; a mandibular occlusal view; a maxillary occlusal view; an overjet view; a left distal molar view; a left lingual view; a lingual incisor view; a right lingual view; a right distal molar view; an upper jaw view; and a lower jaw view.

57. A server to support a health-care electronic commerce community with one or more patients and one or more service providers, comprising: a processor adapted to communicate with a network; a data storage device coupled to the processor and adapted to store data for each patient; and software to communicate 3D patient data in response to a client request.

59. The server of claim 58, wherein the browser further comprises a viewer plug-in to visualize patient data in 3D.

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L2: Entry 23 of 131

File: USPT

DOCUMENT-IDENTIFIER: US 6422864 B1

TITLE: Facial registration tool

Brief Summary Text (9):

Having made some indication of the desired position for the artificial teeth, the arrangement of the denture teeth is completed by the dental laboratory, generally in a setting apart from the clinic in which the dentist examines the patient and fits the prosthesis. The art of prosthetic construction is both a time consuming and creatively challenging task. This task is further complicated when tooth-placement information from dentist-patient interaction is incomplete or vague, as the dental technician does not have access to the patient for fitting information. If the initial placement of artificial teeth is not to the satisfaction of the patient or dentist, the teeth must be reset, requiring the patient to return for another appointment. Dentist, laboratory, and patient incur additional time and costs as the result of this deficiency in dentist-laboratory practice.

Brief Summary Text (10):

As tooth placement is a critical part of prosthetic dentistry, the present invention will improve the placement and construction of artificial teeth by allowing dentist and patient to visualize the appearance of the finished denture while still at the wax rim fitting stage, and to effectively communicate the resulting tooth-placement information to the dental laboratory for use in construction of the finished prosthesis.

Brief Summary Text (13):

Another object of the present invention is to provide a simple and effective means for dentist and patient to record information with respect to the desired position and orientation of the upper anterior teeth for communication to the dental laboratory prior to the setting of the artificial teeth.

Detailed Description Text (8):

The dentist may take a bite registration using bite rim 30 before using the facial registration tool 10. This will serve to record patient bite information for communication to the dental laboratory responsible for prosthesis construction. The bite rim 30 is removed from the patient's mouth and, if necessary, the wax in the area of the upper anterior teeth 12-15 is softened. If the wax of bite rim 30 is sufficiently soft at room temperature to insert the retention means, then this step may be omitted. The wax may be softened by inserting bite rim 30 in a warm-water bath or through use of small torch or other means to warm the front of the bite rim. The bite rim is then placed in the patient's mouth and facial registration tool 10 is used to find the optimal position for simulated teeth 12-15 and attaching said teeth to bite rim 30 by simply pressing tool 10 into the wax in the desired position so that the retention means penetrates into and engages the wax rim with the lingual surface of tool 10 substantially flush with the wax bite rim.

Detailed Description Text (9):

As shown in FIG. 4, this provides patient and dentist with a natural tooth and gum appearance. Valuable information and capability are gained with the ability to actually see the position and orientation of anterior teeth 12-15 as they will appear in the patient's mouth before the prosthesis is finished, and to make reference marks in the bite rim 30, registration tool 10, or both, to record and communicate additional information useful in prostheses construction. As proper alignment of the upper anterior teeth affects aesthetics, phonetics and function for denture wearers, this function is critical to the patient's ultimate satisfaction. The present invention eliminates the adverse effect that ridge resorption plays in tooth placement by providing a simple and effective means for proper placement of the upper anterior teeth independent of the maxillary arch, which recedes up and back to an unpredictable extent

after tooth extraction. The present invention of facial registration tool 10 provides means for recording details such as patient midline, incisal edge position, occlusal plane, facial contour, high lip line, overjet, overbite, or angle of inclination in relation to the desired position of anterior teeth 12-15.

Detailed Description Text (11):

Once dentist and patient are satisfied with the placement and orientation of teeth 12-15, the dentist may double-check the bite, and then remove bite rim 30 from the patient's mouth. The dentist may then affix facial registration tool 10 more securely into place, if desired, by dripping some hot wax around tool 10, thus sealing it to the wax bite rim without disturbing its position relative to the rim. The bite rim 30, with registration tool 10 firmly in place, can then be forwarded to the dental laboratory for use in the fabrication of the finished dental prosthesis. In this way, important tooth placement and patient information are preserved and communicated from dentist to dental laboratory for use in prosthetic construction.